

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. – 91. (Cancelled)

92. (Currently Amended) A liquid crystal display device,
comprising:
a liquid crystal display panel including a transmission portion;
a solar battery facing at least a part of a surface opposite to a visual recognition side of
said liquid crystal display panel and absorbing a visible light to generate electric power;
a first polarizing film provided on the visual recognition side of said liquid crystal
display panel, said first polarizing film having a polarization transmission axis; and
a second polarizing film provided on a side opposite the visual recognition side of
said liquid crystal panel, said second polarizing film having a polarization transmission
axis substantially perpendicular to the polarization transmission axis of said first
polarizing film,
wherein light is applied to said solar battery through the transmission portion of said
liquid crystal display panel to generate electric power, and a display by said liquid crystal display
panel is performed using said solar battery as an absorbing plate, and
wherein said liquid crystal display panel, said first polarizing film and said second
polarizing film are in a transmission state where light is applied to the solar battery
through said liquid crystal display panel when a voltage applied to the liquid crystal panel
is off.

93. (Previously Presented) The liquid crystal display device according to claim 92, wherein a film having characteristics of transmitting light within a wavelength region matching with wavelength absorbed by a power generation portion of said solar battery is provided on the visual recognition side of said solar battery.

94. (Previously Presented) The liquid crystal display device according to claim 92, wherein a printed layer having substantially same spectral reflectance as that of a power generation portion of said solar battery is provided on non-power-generation portions of said solar battery.

95. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a film for changing a color of said solar battery is provided between said solar battery and said liquid crystal display panel.

96. (Previously Presented) The liquid crystal display device according to claim 95, wherein

said film for changing a color of said solar battery is a cholesteric liquid crystal film.

97. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a power generation quantity adjustment region for changing a transmittance is provided at a part of a display region of said liquid crystal display panel to adjust a quantity of power generation of said solar battery.

98. (Previously Presented) The liquid crystal display device according to claim 93, wherein

a power generation quantity adjustment region for changing a transmittance is provided at a part of a display region of said liquid crystal display panel to adjust a quantity of power generation of said solar battery.

99. (Previously Presented) The liquid crystal display device according to claim 94, wherein

a power generation quantity adjustment region for changing a transmittance is provided at a part of a display region of said liquid crystal display panel to adjust a quantity of power generation of said solar battery.

100. (Previously Presented) The liquid crystal display device according to claim 92, wherein

means for conducting a control to increase a transmittance of said liquid crystal display panel is provided to increase a quantity of power generation of said solar battery while said liquid crystal display panel is in a non-driving display state.

101. (Previously Presented) The liquid crystal display device according to claim 93, wherein

means for conducting a control to increase a transmittance of said liquid crystal display panel is provided to increase a quantity of power generation of said solar battery while said liquid crystal display panel is in a non-driving display state.

102. (Previously Presented) The liquid crystal display device according to claim 94, wherein

means for conducting a control to increase a transmittance of said liquid crystal display panel is provided to increase a quantity of power generation of said solar battery while said liquid crystal display panel is in a non-driving display state.

103. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a display is performed by a change in color of said liquid crystal display panel and a spectral reflection characteristic of said solar battery.

104. (Previously Presented) The liquid crystal display device according to claim 95, wherein

a display is performed by a change in color of said liquid crystal display panel and a spectral reflection characteristic of said film.

105. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a liquid crystal layer of said liquid crystal display panel is a mixed liquid crystal layer made by mixing a dichroic dye in a liquid crystal.

106. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a liquid crystal layer of said liquid crystal display panel is a mixed liquid crystal layer containing a polymer in a liquid crystal.

107. (Previously Presented) The liquid crystal display device according to claim 93, wherein

a liquid crystal layer of said liquid crystal display panel is a mixed liquid crystal layer containing a polymer in a liquid crystal.

108. (Previously Presented) The liquid crystal display device according to claim 94, wherein

a liquid crystal layer of said liquid crystal display panel is a mixed liquid crystal layer containing a polymer in a liquid crystal.

109. (Previously Presented) The liquid crystal display device according to claim 92, wherein

a liquid crystal layer of said liquid crystal display panel is a twisted nematic liquid crystal layer or a super twisted nematic liquid crystal layer, polarizing films are provided on the visual recognition side and on the opposite side thereto respectively with said liquid crystal layer interposed therebetween, and said polarizing film provided on the opposite side to the visual recognition side is a reflection-type polarizing film of which one polarization axis is a transmission axis and another polarization axis substantially perpendicular thereto is a reflection axis.

110. (Previously Presented) The liquid crystal display device according to claim 93, wherein

a liquid crystal layer of said liquid crystal display panel is a twisted nematic liquid crystal layer or a super twisted nematic liquid crystal layer, polarizing films are provided on the visual recognition side and on the opposite side thereto respectively with said liquid crystal layer interposed therebetween, and said polarizing film provided on the opposite side to the visual recognition side is a reflection-type polarizing film of which one polarization axis is a transmission axis and another polarization axis substantially perpendicular thereto is a reflection axis.

111. (Previously Presented) The liquid crystal display device according to claim 94, wherein

a liquid crystal layer of said liquid crystal display panel is a twisted nematic liquid crystal layer or a super twisted nematic liquid crystal layer, polarizing films are provided on the visual recognition side and on the opposite side thereto respectively with said liquid crystal layer interposed therebetween, and said polarizing film provided on the opposite side to the visual recognition side is a reflection-type polarizing film of which one polarization axis is a transmission axis and another polarization axis substantially perpendicular thereto is a reflection axis.

112. (Previously Presented) The liquid crystal display device according to claim 96, wherein

a liquid crystal layer of said liquid crystal display panel is a twisted nematic liquid crystal layer or a super twisted nematic liquid crystal layer, and a polarizing film is provided on the

visual recognition side and a cholesteric liquid crystal film is provided on the opposite side thereto respectively with said liquid crystal layer interposed therebetween.

113. (Previously Presented) The liquid crystal display device according to claim 92, wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

114. (Previously Presented) The liquid crystal display device according to claim 93, wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

115. (Previously Presented) The liquid crystal display device according to claim 94, wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

116. (Previously Presented) The liquid crystal display device according to claim 95, wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

117. (Previously Presented) The liquid crystal display device according to claim 97, wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

118. (Previously Presented) The liquid crystal display device according to claim 98,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

119. (Previously Presented) The liquid crystal display device according to claim 99,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

120. (Previously Presented) The liquid crystal display device according to claim 100,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

121. (Previously Presented) The liquid crystal display device according to claim 101,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

122. (Previously Presented) The liquid crystal display device according to claim 102,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

123. (Previously Presented) The liquid crystal display device according to claim 105,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

124. (Previously Presented) The liquid crystal display device according to claim 106,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

125. (Previously Presented) The liquid crystal display device according to claim 107,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

126. (Previously Presented) The liquid crystal display device according to claim 108,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

127. (Previously Presented) The liquid crystal display device according to claim 109,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

128. (Previously Presented) The liquid crystal display device according to claim 110,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

129. (Previously Presented) The liquid crystal display device according to claim 111,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.

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130. (Previously Presented) The liquid crystal display device according to claim 112,
wherein

said liquid crystal display panel is a liquid crystal display panel for a timepiece.